

REMARKS:

Reconsideration of the rejections is respectfully requested.

The status of the claims, assuming entry of the amendment, is as follows:

Amended:	1, 2, 8, 23
Cancelled:	19
New:	None
Pending:	1-18, 20-23
Allowed:	9-15, 22

The Applicants respectfully submit that the Amendment meets the requirements of 37 CFR 1.116 since:

- A. The Amendment cancels claim 19.
- B. The Amendment complies with requirements of form expressly set forth in the Office Action by the amendments to 2, 8 and 23.
- C. The Amendment places the claims in condition for allowance or in better condition for consideration on appeal.

Accordingly, Applicants respectfully request entry of the Amendment.

The claims have been amended to more clearly define the invention. Support for the amendments is either apparent, or is as described in the text below. Support for the recited polymer properties can be found, for example, at 3:28-32 and 4:27-28. No new matter is added.

Further Claim Rejections - 35 U.S.C. §102(b)

Claims 1, 6, 7 and 16 stand rejected under 35 U.S.C. §102(b), based on an assertion of anticipation by Zohni, USP 6,380,060. Applicant respectfully traverses.

Zohni also teaches methods of placing solder balls on circuit board elements, including interposer elements (apparently such as taught by DiStefano) and “flexible dielectric sheet.”

Interposers apparently facilitate electrical contacts in circuit board assemblies. Apparently, the “flexible dielectric sheet” teaching is cited against the present claims. Nothing in the specification, however, teaches that the flexible dielectric sheets have, or should have, the detailed structures of the figures of Zohni. That it may be appropriate to place solder balls on “flexible dielectric sheet” is a completely different teaching than that such sheet should have the detailed structure of an interposer. Two-metal dielectric tape is used experimentally to test the method, but again this is not a teaching of a truly flexible tape with isolated regions as claimed. Instead, this teaching is only of making a pragmatic choice of a substrate for testing the method.

Applicant respectfully submits that Zohni does not teach the isolated selected regions suitable for deposition as required by the claims.

Claim Rejections - 35 U.S.C. §103(a) - Zohni

Claims 17 and 18 stand rejected under 35 U.S.C. §103(a), based on an assertion of being unpatentable over Zohni. Applicant respectfully submits that since the cited are does not teach the isolated selected regions suitable for deposition as required by the claims, it certainly does not motivate selecting dimensions suitable for such. Accordingly, Applicant respectfully submits that the rejection should be withdrawn.

Claim Rejections - 35 U.S.C. §103(a) -Chrai and Zohni

Claims 1, 6-7 and 16-18 stand rejected under 35 U.S.C. §103(a), based on an assertion of being unpatentable over Chrai, USP 6,303,143 in view of Zohni. Applicant respectfully traverses.

The rejection is believed to assert that it would be obvious to use conductive polymers taught by Zohni in the structure of Figure 15 of Chrai. Figure 15 of Chrai is about an electrostatic chuck that attrachs particles to substrate A40, substrate B40 or substrate C40. Assuming for the sake of argument a motive to put the conductive polymer of Chrai, Chrai

teaches an electrostatic chuck that is “relatively flexible.” Those of skill would not apply this “relatively flexible” to the flexibility relevant to a film, as claimed.

Accordingly, Applicant respectfully submits that the rejection should be withdrawn.

Conclusion

In light of the above discussion and amendments, it is respectfully submitted that the claims are in condition for allowance. The issuance of a Notice of Allowance is earnestly solicited.²

Respectfully submitted,



Arthur E. Jackson
Registration No. 34,354



A Pennsylvania Limited Liability Partnership
Princeton Pike Corporate Center
PO Box 5218
Princeton, New Jersey 08543-5218
Allen Bloom (609) 620-3214
Arthur E. Jackson (609) 620-3254
Fax: (609) 620-3259
Attention: Arthur E. Jackson

² **FEE DEFICIENCY**

IF ANY ADDITIONAL EXTENSION IS REQUIRED, PLEASE CONSIDER THIS PAPER A PETITION FOR SUCH AN EXTENSION; ANY FEE FOR THE EXTENSION REQUIRED FOR CONSIDERATION OF THIS PAPER BUT NOT ENUMERATED ABOVE OR IN A TRANSMITTAL OR OTHER ASSOCIATED PAPER CAN BE CHARGED TO ACCOUNT NO. 04-0480.

AND/OR

IF ANY ADDITIONAL FEE IS REQUIRED FOR CONSIDERATION OF THIS PAPER, PLEASE CHARGE ACCOUNT NO. 04-0480.